

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: PORTFOLIO

Report Number: P859442

Luminaire Tested: **LX4C70D010 EX4C709027 4LBNH**

Issue Date: 2/8/2022

Test Information

Test Method: LM-79-08
Report Number: P859442
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P207666)
Test Lab: INNOVATION CENTER
Issue Date: 2/8/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX4C70D010 EX4C709027 4LBNH
Description: 4 INCH 7000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 4LBN TRIM WITH H FINISH
Light Source: -
Ballast/Driver:

Summary

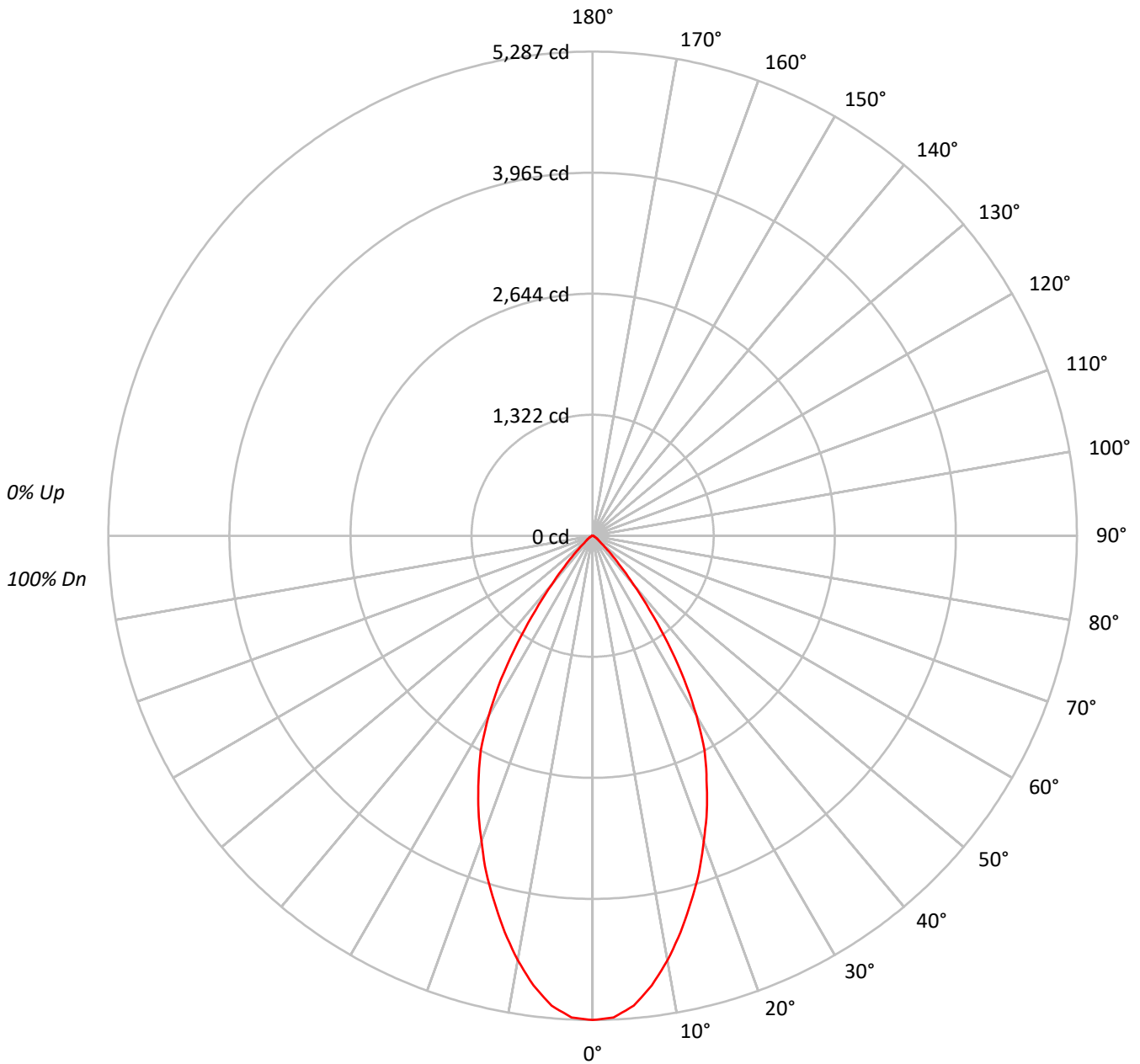
Lumens per Lamp: N/A
Luminaire Lumens: 4211.1 lumens
Efficiency: N/A
Efficacy: 54.0 lumens/watt
Spacing Criteria (0/90/45): 0.81 / 0.81 / 0.85
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 78
Input Voltage (V):
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			
1	113	111	108	106	111	109	106	104	105	103	101	101	99	98	97	96	95	93			
2	108	103	99	96	106	101	98	94	98	95	92	95	93	90	92	90	89	87			
3	102	96	91	87	100	95	90	86	92	88	85	90	86	84	87	85	82	81			
4	97	90	84	80	95	89	83	79	86	82	78	84	81	78	83	79	77	75			
5	92	84	78	74	91	83	78	73	81	76	73	80	75	72	78	74	72	70			
6	88	79	73	69	86	78	72	68	77	72	68	75	71	67	74	70	67	65			
7	83	74	68	64	82	73	68	64	72	67	63	71	66	63	70	66	63	61			
8	79	70	64	60	78	69	64	60	68	63	59	67	63	59	66	62	59	58			
9	76	66	60	56	74	65	60	56	65	59	56	64	59	56	63	59	55	54			
10	72	62	57	53	71	62	56	53	61	56	53	60	56	52	60	55	52	51			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	649539
5°	635075
10°	587205
15°	526899
20°	463819
25°	399165
30°	321438
35°	213986
40°	111315
45°	50385
50°	21865
55°	14672
60°	9411
65°	6686
70°	5496
75°	3655
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	477.0	11.3
10°-20°	1157.1	27.5
20°-30°	1343.4	31.9
30°-40°	889.7	21.1
40°-50°	249.5	5.9
50°-60°	62.7	1.5
60°-70°	23.6	0.6
70°-80°	8.1	0.2
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	2977.5	70.7
0°-40°	3867.2	91.8
0°-60°	4179.4	99.2
0°-90°	4211.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4211.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5287	
5°	5150	477
15°	4143	1157
25°	2945	1343
35°	1427	890
45°	290	250
55°	68	63
65°	23	24
75°	8	8
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	5287.1
2.5°	5264.1
5°	5149.7
7.5°	4951.2
10°	4707.1
12.5°	4432.3
15°	4142.7
17.5°	3860.3
20°	3547.7
22.5°	3257.7
25°	2944.7
27.5°	2647.4
30°	2265.9
32.5°	1861.5
35°	1426.8
37.5°	1022.4
40°	694.1
42.5°	450.0
45°	290.0
47.5°	175.6
50°	114.4
52.5°	83.8
55°	68.5
57.5°	53.6
60°	38.3
62.5°	30.6
65°	23.0
67.5°	15.3
70°	15.3
72.5°	7.7
75°	7.7
77.5°	7.7
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)